

LISTING AND STATUS OF THE CLAIMS

The following is a complete listing of all the claims in the application, with an indication of the status of each:

- 1 1. (Original) A device for producing synthetic fiber materials, with a polymer melt
2 feed leading to a rotating hollow reactor, whose wall can be heated and which widens
3 conically in order to guide a film melt toward an open side that can be closed with a
4 lid, and with ribs for dividing the melt film into fibers that grow rigid after leaving the
5 hollow reactor, wherein the hollow reactor is vertically oriented and exhibits on its
6 curved upper side an opening for introducing the polymer melt, while a rotating
7 distributor plate is positioned opposite the opening, at a slight distance from the inner
8 wall of the hollow reactor.
- 1 2. (Original) A device according to claim 1, wherein the distance between the
2 distributor plate and the inner wall of the hollow reactor can be adjusted.
- 1 3. (Original) A device according to claim 1, wherein the distributor plate exhibits a
2 surface that faces the opening and that rises toward the rim.
- 1 4. (Previously Presented) A device according to claim 1, wherein the distributor plate
2 exhibits an upper side that curves in concave fashion and faces the opening.
- 1 5. (Original) A device according to claim 1, wherein a truncated cone whose outer
2 diameter is smaller than the diameter of the distributor plate is positioned on said
3 distributor plate.
- 1 6. (Original) A device according to claim 5, wherein the diameter of the truncated
2 cone is on the same order of magnitude as the diameter of the opening of the feed.

- 1 7. (Original) A device according to claim 1, wherein the inner wall of the hollow
2 reactor is parabolic in shape.
- 1 8. (Original) A device according to claim 1, wherein the ribs on the inner wall of the
2 hollow reactor run vertical to the rim in the lower area.
- 1 9. (Original) A device according to claim 1, wherein the hollow reactor, together with
2 a surrounding container, forms a curved gap, to which a steam feed and a steam outlet
3 are attached.
- 1 10. (Original) A device according to claim 9, wherein the steam feed and the steam
2 outlet are positioned on the upper and lower rim of the hollow reactor.
- 1 11. (Original) A device according to claim 9, wherein the steam is guided through the
2 gap in circulating fashion.
- 1 12. (Original) A device according to claim 11, wherein the steam is conducted
2 through the curved gap in the same direction as the melt flowing as a film on the inner
3 wall of the hollow reactor.